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EUROPEAN PATENT APPLICATION

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- (54) Epoxy resin compositions for fiber-reinforced composite materials, prepregs and fiber-reinforced composite materials
- (57) Epoxy resin compositions for fiber-reinforced composite materials comprise at least the constituents [A] an epoxy resin comprising 70 parts by weight or more, per 100 parts by weight of the epoxy resin, of a bi-functional epoxy resin, [B] fine particles comprising a

rubber phase and substantially insoluble in epoxy resins and [C] a curing agent. The compositions are suitable for prepregs for production of fiber-reinforced composite materials having high impact resistance and heat resistance.

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EUROPEAN SEARCH REPORT

EP 96 30, 3252

Category	Citation of document with in of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Inl.CI.6)
D,X	DATABASE WPI Section Ch, Week 8217 Derwent Publications Ltd., London, GB; Class A21, AN 82-34462E XP002072690 & JP 57 049646 A (TOHO BESLON CO LTD) * abstract *		1	C08L63/00 C08L21/00 C08J5/24
X	& PATENT ABSTRACTS vol. 006, no. 122 (& JP 57 049646 A (23 March 1982 * abstract *			
X	EP 0 545 640 A (TON 9 June 1993	·	1-7, 12-15, 20-23	
γ	* page 3, line 30-3 * page 4, line 20-3		8-11	
Y	EP 0 336 732 A (MIN MANUFACTURING COMPA * page 3, line 40 - claims 1,3 *	NY) 11 October 1989	8-11	TECHNICAL FIELDS SEARCHED (IM.CLS) COSL COSJ
	The present course report has t			
	Place of search	Date of completion of the search		Examiner
X : parti Y : parti docu A : tech O : non	MUNICH ATEGORY OF CITED DOCUMENTS coularly relevant if taken alone coularly relevant if combined with another ment of the same category motogical background written disclosure mediate document	E : earlier patent o after the filing d O : document cited L : document cited	ple underlying the li locument, but public late I in the application I for other reasons	shed on, or

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	CLAIMS INCURRING FEES			
_				
The present European patent application comprised at the time of filing more than ten claims.				
[All claims feet have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.		
[]	Only part of the claims fees have been paid within the prescribed time limit. The present European search		
		report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.		
	_	namely claims:		
1		No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.		
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	LA	CK OF UNITY OF INVENTION		
The Search Division considers that the present European patent application does not comply with the requirement of unity of				
Invention and relates to several inventions or groups of inventions. namely:				
	-,			
		See sheet -B-		
		•		
1		All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.		
	_	Only part of the further search less have been paid within the fixed time limit. The present European search		
,	ب	report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.		
		namety claims:		
	X	None of the further search fees has been paid within the fixed time limit. The present European search report		
,	_	has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,		
ĺ		namely claims: mentioned in item 1.		

LACK OF UNITY OF INVENTION SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-15,20-23

Epoxy resin compositions, prepregs and composite matrials, comprising fine particles which comprise a rubber phase.

2. Claims: 16-23

Epoxy resin compositions, prepregs $% \left(1\right) =\left(1\right) +\left(1\right)$